

ABSTRACT

The liquid ink writing instrument has a body containing, from its rear end towards its front end, a reservoir for the ink and a front chamber containing a capillary element for transferring ink coming from the reservoir to a writing head. The front chamber
5 communicates with ambient air. The writing head is fed with ink by the capillary element, and projects from the front portion of the body. The reservoir is separated from the front chamber by a flexible wall having shape memory and provided with slots. The flexible wall acts as a valve suitable for opening when the ratio of the pressure inside the reservoir over the pressure inside the volume of the front chamber facing the valve exceeds a first value, and of
10 reclosing instantly as soon as the ratio becomes less than or equal to a second value, the valve releasing the ink in the form of a jet directed towards the rear face of the capillary element. The first value of the ratio of the pressures is preferably about 1.07, and the second value of the ratio is preferably about 1.05. The writing instrument includes means for pressurizing the reservoir.